

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number  
**WO 2005/044278 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 31/6615**,  
A61P 43/00, 3/14, A61K 9/70

(21) International Application Number:  
PCT/IB2004/003588

(22) International Filing Date:  
3 November 2004 (03.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
P-200302600 7 November 2003 (07.11.2003) ES

(71) Applicant (for all designated States except US): **UNIVERSITAT DE LES ILLES BALEARS** [ES/ES];  
Campus Universitari, Cr. Valldemosa Km. 7, 5. Edif.  
Son Lledó, E-07071 Palma de Mallorca (ES).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GRASES FREIXEDAS, Felicià** [ES/ES]; Universitat de Les Illes Balears, Campus Universitari, Cr. Valldemosa Km. 7, 5. Edif. Son Lledó, E-07071 Palma de Mallorca (ES). **PERELLO BESTARD, Joan** [ES/ES]; Universitat de Les Illes Balears, Campus Universitari, Cr. Valldemosa Km. 7, 5. Edif. Son Lledó, E-07071 Palma de Mallorca (ES). **ISERN AMENGUAL, Bernat** [ES/ES]; Universitat de Les Illes Balears, Campus Universitari, Cr. Valldemosa Km. 7, 5. Edif. Son Lledó, E-07071 Palma de Mallorca (ES). **PRIETO ALMIRALL, Rafael** [ES/ES]; Universitat de Les Illes Balears, Campus Universitari, Cr. Valldemosa Km. 7, 5. Edif. Son Lledó, E-07071 Palma de Mallorca (ES). **COSTA BAUZÀ, Antònia** [ES/ES]; Universitat de Les Illes Balears, Campus Universitari, Cr. Valldemosa Km. 7, 5. Edif. Son Lledó, E-07071 Palma de Mallorca (ES).

(74) Agents: **PONTI SALES, Adelaida** et al.; Oficina Ponti, S.L., C. de Consell de Cent 322, E-08007 Barcelona (ES).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

— as to the identity of the inventor (Rule 4.17(i)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report

[Continued on next page]

(54) Title: MYO-INOSITOL HEXAPHOSPHATE FOR TOPICAL USE

(57) Abstract: The invention relates to a composition that includes myo-inositol hexaphosphate in a form adapted to topical administration for utilisation in the treatment or prevention of a disease associated with the development of heterogeneous nucleants in a soft tissue. Said composition can be used for manufacturing a drug for the treatment of a disease associated with the development of heterogeneous nucleants in a soft tissue.

WO 2005/044278 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*